

SPECIFICATION AMENDMENTS

Please amend the specification as follows:

Substitute the paragraph [0033] at page 12, with the following:

In one exemplary implementation, determining a correlation value comprises performing a pixel-by-pixel comparison of a property of the original image with a corresponding property of the scanned image. One technique comprises computing the variance σ^2 (or the standard deviation σ), between values representing the property in the original digital image and corresponding values in the scanned image. Applying the notation $D(x, y)$ to refer to the entries in the matrix corresponding to the original digital image and $S(x, y)$ to refer to the entries in the matrix corresponding to the scanned image, the variance σ^2 (**an nth order statistic**) may be determined using the following equation:

$$\sigma^2 = \sum_{x=1}^m \sum_{y=1}^n (D(x, y) - S(x, y))^2 \quad \text{Equation (1)}$$

Here, we assume that the empirical means of both the original digital image D and the scanned image S is zero. Equivalently, we assume that prior to computing the variance via Equation (1), we subtract the empirical mean of D (resp. the empirical mean of S) from each $D(x, y)$ (resp. from each $S(x, y)$) to make them zero-mean.

Substitute the paragraph [0040] at page 17, with the following:

The signals generated at operations 325 and 330 may be written to a memory log, presented on a suitable user interface, and/or input to another process executing on a computing device. For example, in a counterfeit detection application, a signal indicating that a threshold has been exceeded may cause a computing device 130 to display a visual and/or audible indication that the scanned image may be a counterfeit, and may cause the computing device to invoke further counterfeit detection operations. **A specific visual indication of the differences between an original digital image and that of a scanned image of the original digital image comprise instructions that, when executed, direct the computer to compute a**

histogram representing differences in a property of the original digital image the scanned image.